



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

SWA6A-110
Job Sheet 173292



Part No: SWA6A-110

Job Qty: 1 ea

Part Name: Lower End



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/27/18

Job Tracking No:

Due Date: 3/9/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG SWA6A-110 REV 8 IPP REV A 18.02.27 NEW ISSUE FK VERIFY DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		3/8/18	0.00	0.00	Start Up Machining-3		<i>guy 18-02-27</i>
110	Mori Seiki	1 pcs		3/9/18	0.00	1.00	MORI NV5000-1		<i>guy 18-02-27</i>
120	QC	1 pcs		3/9/18	0.00	0.00	QC2		<i>guy 18-02-27</i>
130	QC	1 pcs		3/9/18	0.00	0.00	QC8		<i>guy 18-02-27</i>
140	Packaging	1 pcs		3/9/18	0.00	0.00	Packaging3		<i>DAS 21 FEB 28 2018</i>
150	QC21-SA	1 Ea		3/9/18	0.00	0.00	QC21		

Part Op 110 - 1-Machine as per folio FB _____ FOLIO REV: _____ DWG REV: _____ 2-Debur 3- ***MODIFY
Descriptions: SWA6A-100 GROOVE TO SWA6A-110 R.25" GROOVE AS PER DWG****

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
SWA6A-100P	Lower End	1 pcs (1 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	SWA6A-100P	1	16	0

Part Specifications

Specifications could not be found.

Plex 2/27/18 1:56 PM Dart.lajeunesse.marie

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																											
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval																																																																									
Description Work Order Deviation			Disposition																																																																										
DART Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL.: 1 613 632-9200 Email: sales@dartaero.com www.dartaerospace.com Container No: S046092 Part: SWAGA - 110 Job No: 173292 Serial No/Batch: S046092 Revision: 8 Inspector: Date: 02/27/18					Completed By																																																																								
					Lead hand / Supervisor Approval Verification																																																																								
					QC / QA Coordinator Approval																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4" style="text-align: left;">Root Cause</th> <th colspan="4"></th> </tr> <tr> <td style="width:15%;">Environment</td> <td>☐</td> <td style="width:15%;">No Re-verification</td> <td>☐</td> <td style="width:15%;">Design</td> <td>☐</td> <td style="width:15%;">Operator</td> <td>☐</td> </tr> <tr> <td>Doc/Data</td> <td>☐</td> <td>Offset/Setup</td> <td>☐</td> <td>Equip/Tooling</td> <td>☐</td> <td>Supplier</td> <td>☐</td> </tr> <tr> <td>Handling/Pre</td> <td>☐</td> <td>Training</td> <td>☐</td> <td>Material</td> <td>☐</td> <td>Use for Test</td> <td>☐</td> </tr> <tr> <td>Internal Transport</td> <td>☐</td> <td>Poor Information</td> <td>☐</td> <td>Tribal Knowledge</td> <td>☐</td> <td>Rushing</td> <td>☐</td> </tr> <tr> <td>LOA</td> <td>☐</td> <td>Product Improvement</td> <td>☐</td> <td>Heat Treat</td> <td>☐</td> <td>Cut too short</td> <td>☐</td> </tr> <tr> <td>Substation</td> <td>☐</td> <td>Process Improvement</td> <td>☐</td> <td>Wave/Twist in Tube</td> <td>☐</td> <td>Instructions Incomplete/Unclear</td> <td>☐</td> </tr> <tr> <td>Past Expiry Date</td> <td>☐</td> <td>Manufacturing Process</td> <td>☐</td> <td>Marks/Chatter</td> <td>☐</td> <td>Drill Holes</td> <td>☐</td> </tr> <tr> <td>Misidentified</td> <td>☐</td> <td>Past Due</td> <td>☐</td> <td colspan="4" style="text-align: center;">OTHER :</td> </tr> </table>						Root Cause								Environment	☐	No Re-verification	☐	Design	☐	Operator	☐	Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Test	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Heat Treat	☐	Cut too short	☐	Substation	☐	Process Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Past Expiry Date	☐	Manufacturing Process	☐	Marks/Chatter	☐	Drill Holes	☐	Misidentified	☐	Past Due	☐	OTHER :			
Root Cause																																																																													
Environment	☐	No Re-verification	☐	Design	☐	Operator	☐																																																																						
Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐																																																																						
Handling/Pre	☐	Training	☐	Material	☐	Use for Test	☐																																																																						
Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐																																																																						
LOA	☐	Product Improvement	☐	Heat Treat	☐	Cut too short	☐																																																																						
Substation	☐	Process Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐																																																																						
Past Expiry Date	☐	Manufacturing Process	☐	Marks/Chatter	☐	Drill Holes	☐																																																																						
Misidentified	☐	Past Due	☐	OTHER :																																																																									
				rge ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect pulled ☐ Part Lost/Missing ice ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence																																																																									

DQA: _____ Date: _____

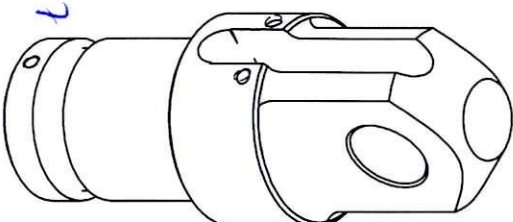
**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

REVISIONS				
REV	EGR	DESCRIPTION	DATE	INITIAL APPROVED
6		AS DRAWN BY CANAM.	11/15/12	JAG
7		ADDED H1075 MATERIAL.	4/17/2015	JAG
8		UPDATED TO NEW DRAFTING STANDARD. CHD DIM WAS Ø2.00. DELETED DIM Ø.90.	6/20/2017	RJC JAG



MC5
18-02-27

		TITLE	
LOWER END		DWG NO.	
SWA6A-110		REV	
MAT'L SS 17-4, H1075H1150 TREAT FINISH SPEC DRAWN BY: CANAM CHECKED: DD 06/22/2017 OPDS APPR: AA 06/26/2017 QA APPR: JL 06/28/2017 APPROVED:		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS $\pm$ 1/8 ANGLES $\pm$ 5° SURFACES $\pm$.005 1. BREAK ALL SHARP EDGES 2. DIMENSIONAL LIMITS APPLY 3. AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL	
SCALE	1:2	DATE	2/1/2002
SHEET 1 OF 1			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								